

# Lecture Module - Electrical Instruments

ME3023 - Measurements in Mechanical Systems

Mechanical Engineering

Tennessee Technological University

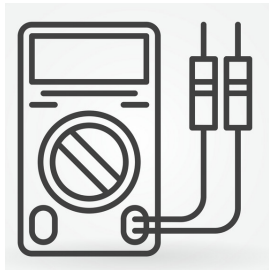
## Topic 1 - Performing Analog Measurements

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- Safety and Electricity
- Using a Digital Multimeter
- Measuring Voltage and Current
- Measuring Resistance and Continuity

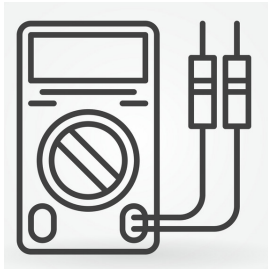
# Safety and Electricity

# Using a Digital Multimeter



# Measuring Voltage and Current

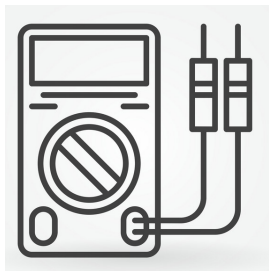
## Voltage



Read about measuring DC voltage  
or AC voltage

# Measuring Voltage and Current

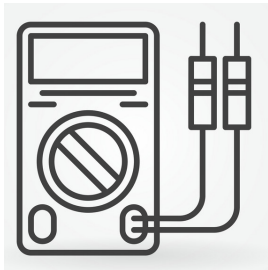
## Current



[Read about measuring current \(with clamp\)](#)

# Measuring Resistance and Continuity

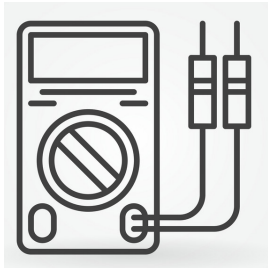
## Resistance



**Read about measuring resistance.**

# Measuring Resistance and Continuity

## Continuity



[Read about measuring continuity](#)